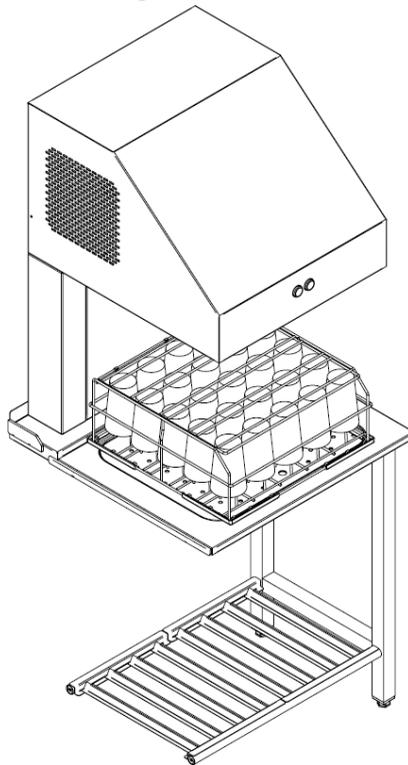


# QuickDry

Drying unit for M-iClean H

## Original operating instructions



EN



**Before using the machine, read carefully the operating instructions, the product description and the safety instructions.**

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# 1 Notes on the operating instructions

The operating instructions as well as the applicable documents must be read before the first commissioning, kept for later use, and must be accessible to the operator at all times. Failure to observe the operating instructions may result in damage to persons and property.

These operating instructions can be downloaded via the following address: **www.meiko.com** or <https://partnernet.meiko-global.com>.

## 1.1 Product identification

These operating instructions apply to the QuickDry drying unit option for M-iClean H.

## 1.2 Delivery contents

The delivery contents include:

- QuickDry drying unit, consisting of drying table and blower
- Installation material
- Documentation, for details see Related documents

## 1.3 Related documents

In addition to these operating instructions, the operating instructions for the associated MEIKO hood type dishwashing machine also apply.

## 1.4 Presentation conventions

### 1.4.1 Warnings

 **DANGER** – indicates an imminently hazardous situation which, if not avoided, will result in serious injury or death.

 **WARNING** – indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

 **CAUTION** – indicates a possible hazardous situation which, if not avoided, could result in minor or moderate injury or damage to property.

### 1.4.2 Notices on use



**Note** – indicates useful and important information about the product or its use.

### 1.4.3 Award elements

Description of the markup elements used in this document:

✂ Required tool for subsequent action instruction.

▶ Requirement to be met for subsequent action instruction.

1. Successive action steps.

↳ Interim result for individual action steps.

✓ Final result of an action instruction.

• A bullet point designates a list.

[ ] Terms in square brackets indicate keys.

(1) Position numbers shown in parentheses in the text refer to position numbers in illustrations.

#### 1.4.4 Symbols

	Read the operating instructions
	Potential equalisation connection
	Manufacturer

#### 1.4.5 Illustrations

The illustrations contained in this document are not necessarily true to the original or to scale. The illustration may deviate from the original, e.g. due to modifications to the product, but without diminishing the facts or comprehensibility.

## 2 Safety

Read and observe all safety information, instructions and symbols attached on the product. Improper use may result in damage to the product or danger to the user.

### 2.1 Intended use

The QuickDry drying unit is only suitable for commercial use in combination with dishwashing machines from the M-iClean H range.

The QuickDry drying unit is designed for drying washware after the warewashing process. The washware must be positioned in a rack suitable for the washware.

If servicing is required, only use original spare parts from the manufacturer. This is the only way to guarantee perfect function and safety.

The following applications are expressly not intended:

- Processing hazardous substances in the QuickDry drying unit (health hazards, in particular toxic, highly or extremely flammable and explosive substances).
- Operating the QuickDry drying unit in an explosive environment.

## 2.2 Misuse

- Emptying liquids into the tank below the lower air outlet nozzles.

In addition, any misuse as described in the operating instructions of the associated dishwashing machine shall apply.

## 2.3 Safety information

### **Wear suitable clothing!**

Loose clothing increases the risk of being caught or wound up on rotating parts and the risk of getting caught on protruding parts. This can severely injure people.

- Wear fitted clothing.
- Never wear rings, necklaces or other pieces of jewellery.
- Wear a hairnet for long hair.
- Wear sturdy shoes or safety footwear.

### **Do not clean with a water jet!**

Do not clean the product with a water hose, high-pressure cleaner, or steam cleaner. The ingress of water can damage electronic components and cause a short circuit.

- Use soft cloths and a mild detergent to clean the outside.
- For stainless steel surfaces, use detergents suitable for stainless steel.

## 2.4 Safety devices

- The QuickDry drying unit is equipped with an overload protection for the blower motor.

## 2.5 What to do in the event of an emergency

- In dangerous situations, disconnect the dishwashing machine from the power supply using the locally available main switch.

## 2.6 Requirements for the personnel

Commissioning, instructions, repairs, maintenance, assembly and installation of or on MEIKO products may only be carried out/authorised by authorised service partners.

During operation it must be ensured that:

- Only adequately trained and instructed personnel are allowed to work on the machine.
- Personnel responsibilities for operation, maintenance and repairs must be clearly defined.
- Any personnel undergoing training are only allowed to work on the machine under the supervision of an experienced person.

**Qualified personnel** as defined by this document are persons who:

- Over 14 years of age.
- Due to their training, experience and instruction are able to perform the required activities.
- Are authorised to perform the required activities by the person responsible for safety of the system.
- Have read and understood the operating instructions and corresponding safety information and will follow them.

The required qualifications for performing specific work at the machine are determined by MEIKO:

<b>Personnel</b>	<b>Trained operating personnel</b>	<b>In-house technician authorised by MEIKO</b>	<b>Service technician authorised by MEIKO</b>
<b>Activity</b>			
Operation, use	✓	✓	✓
Cleaning	✓	✓	✓
Checking safety devices		✓	✓
Troubleshooting	✓	✓	✓
Error clearance, mechanical	✓	✓	✓
Error clearance, electrical		✓*	✓
Maintenance		✓	✓
Repairs		✓	✓

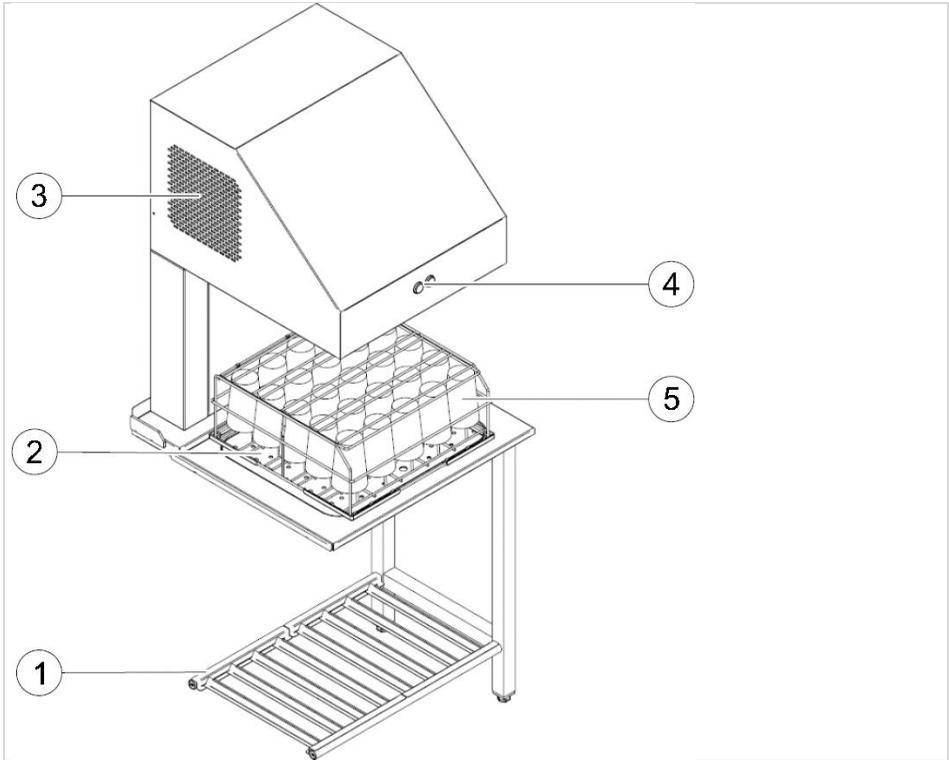
\* with training as an electrician

## 3 Product description

### 3.1 Functional description

The QuickDry drying unit dries washware with room air. To do this, the washware is placed in a suitable dishwasher rack and centred on the drying table above the lower air outlet nozzles. A blower is used to blow air over the washware for a defined period of time. The QuickDry drying unit starts immediately after the end of the connected dishwashing machine programme.

### 3.2 Overview illustration



- 1 Substructure
- 2 Sheet metal with exhaust outlet
- 3 Blower unit
- 4 Control elements, see page 10
- 5 Rack with washware for drying

### 3.3 Control elements

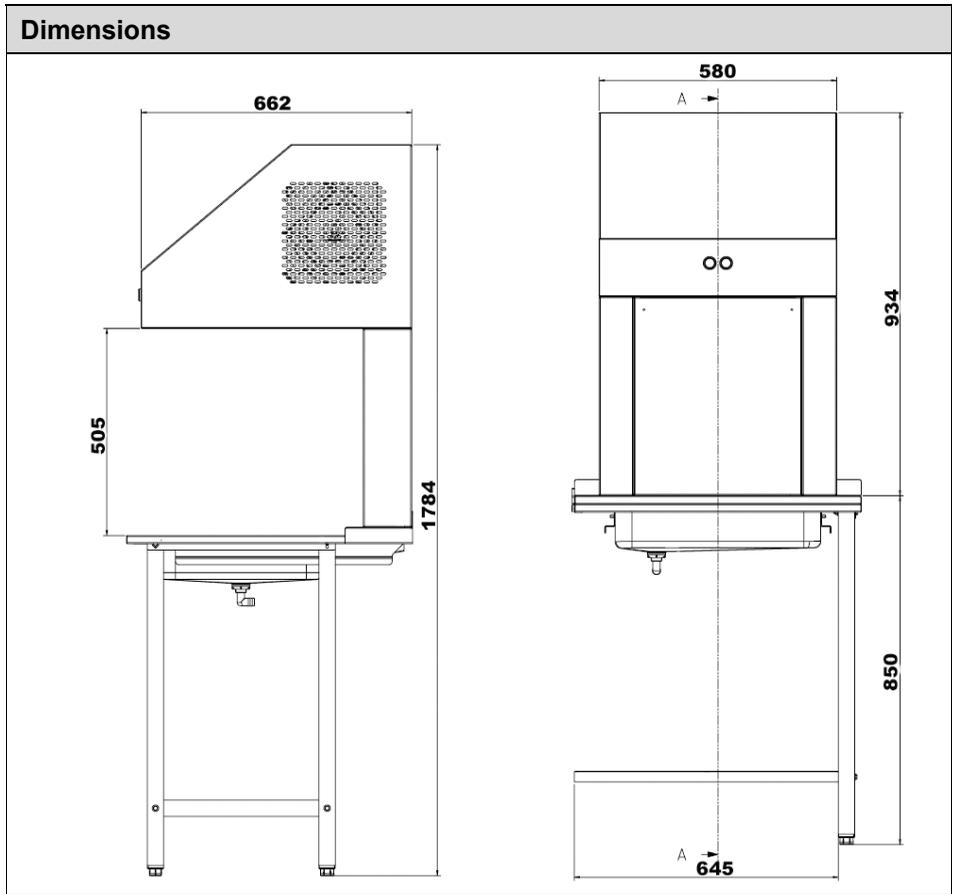
Button	Explanation
	The <b>[On]</b> button starts the drying unit or the blower motor manually. The button lights up white when it is pressed.
	The <b>[Off]</b> button switches the blower motor off. If the button is pressed, the <b>[On]</b> button turns off.

## 4 Technical data

### 4.1 General technical data

<b>Electrical performance values</b>	
Voltage	See rating plate of the dishwashing machine
Total connected load	
Fuse protection	
Equipotential bonding 	Via the equipotential bonding of the dishwashing machine
<b>Weight</b>	
Net weight	65 kg
<b>Blower</b>	
Drying time	3 min
<b>Noise emission</b>	
Emission sound pressure level at the workplace	≤ 70 dB(A)
<b>Waste water connection</b>	
Max. drain height	600 mm

## 4.2 Dimensions



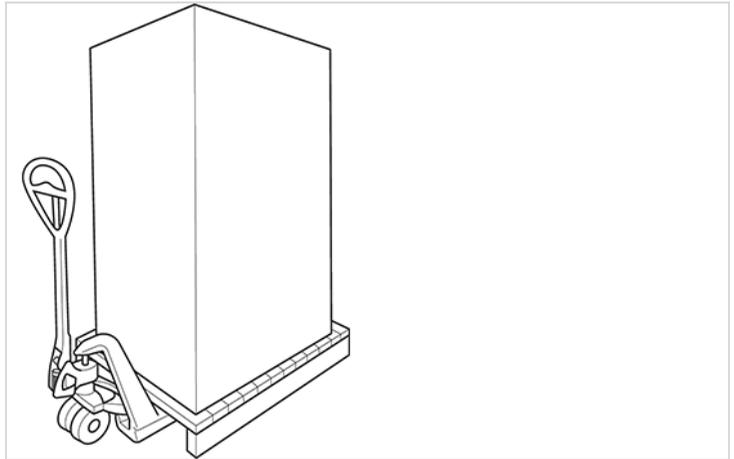
## 4.3 Ambient conditions

<b>Ambient conditions</b>	
Operating temperature	5°C ... 40°C
Relative humidity	< 95%
Storage temperature	5°C ... 40°C
Maximum height of the installation site above sea level	2000 m

## 5 Transport

### **⚠ WARNING – danger of injury due to product tipping**

- Only qualified personnel may carry out transport works.
- Please note safety notices on the packaging.
- Always transport the product on a wooden frame only.
- Wear protective gloves and safety shoes.



The packaging is specifically designed to allow the appliances to be moved safely and securely using a pallet jack or a sack truck. For safe transport, the product is supported by a special square timber frame.

- Execute transport carefully.
- Always transport the product on the supplied wooden frame.
- Observe transport instructions on the packaging.
- Do not unpack the product until it has been transported.

## 5.1 Unload machine at destination

 **CAUTION - Destruction of the machine feet due to jerky setting down and uneven loading**

- Ensure gentle lowering.
- Turn the machine feet out evenly to avoid one-sided loading.

## 5.2 Disposal of packaging materials

All the packaging materials are recyclable. The following materials are used:

- Square timber frame
- Plastic sheeting (PE film)
- Foam material
- Cardboard packaging (edge protection)
- Packaging strap (steel strip)
- Packaging strap (plastic (PP))
- If needed, transport safety bracket (stainless steel)

# 6 Assembly

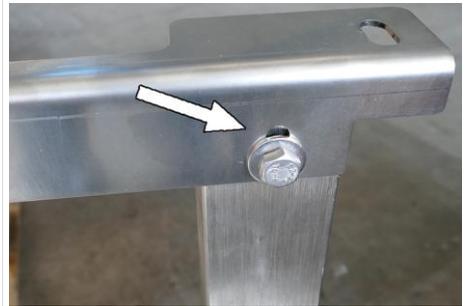
## 6.1 Required tools

- ✂ Slotted screwdriver
- ✂ Hose clamp pliers
- ✂ Flat spanner, SW 10 mm

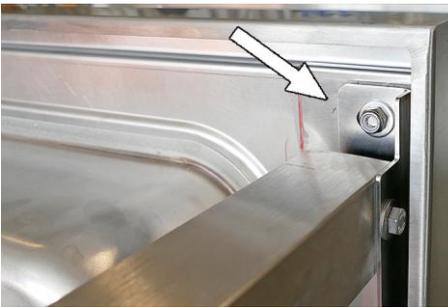
## 6.2 Assemble the table



1. Each of the table legs must be mounted to the angle bar with a screw (M6). Select the screw position in the oblong hole depending on the height of the dishwashing machine.



2. Insert the screw from the outside with washer and tighten.

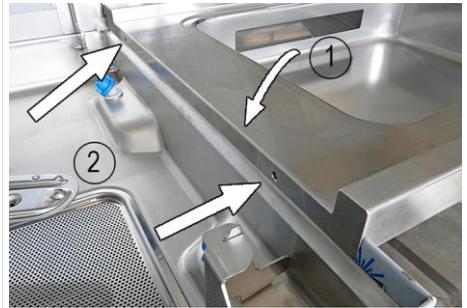
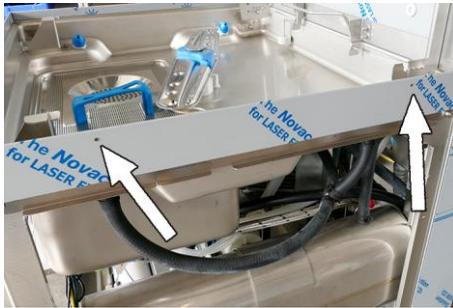


3. Position the pre-assembled table legs on the underside of the table on the left or right, depending on the position of the dishwashing machine. The angle bar points outwards.



4. Mount the table legs to the threaded bolts (M6) using two nuts and washers.  
✓ The table legs are mounted on the table.

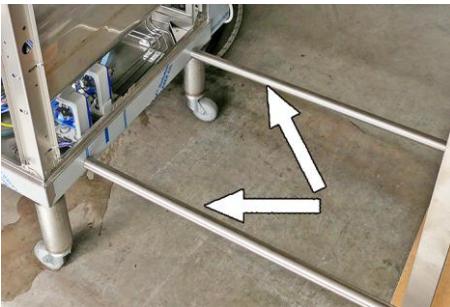
### 6.3 Mounting the table on the dishwasher



► The table is assembled.

1. Check that the holes (arrows,  $\varnothing$  5.2 mm) on the side of the dishwashing machine are drilled out.
2. If needed, drill the holes.

3. Unscrew the table legs about half-way.
4. Mount the table on the side of the dishwasher (1) and align it with the holes (2).
5. Mount the table to the dishwasher using the two enclosed screws (M5).



6. Mount the struts between the dishwasher and the table legs with 2 screws (M6) each.

7. Align the table height by adjusting the feet and check with a spirit level at the front edge of the table.
- ✓ The drying unit table is mounted on the dishwashing machine.

## 6.4 Fitting the blower unit



- The QuickDry drying unit table is mounted and aligned on the dish-washing machine.
1. Push the fixing panels with threaded bolts through the blower unit on the left and right from the inside (arrows).



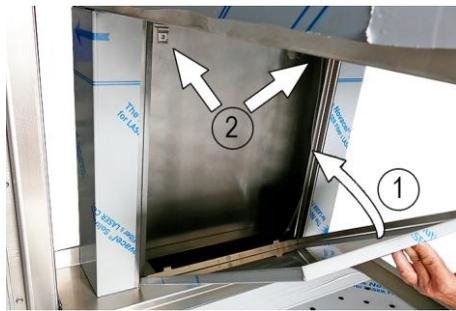
2. With two people, position the blower unit on the table.
3. Guide the threaded bolts of the fixing panels through the holes in the table (arrow).



4. Screw the blower unit to the underside of the table using 2 nuts and washers on the left and on the right.



5. Feed the connecting cable of the blower unit through the cable grommets (arrow) to the outside.



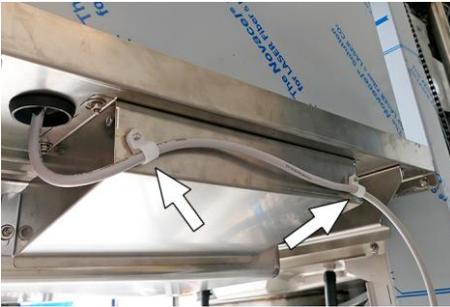
6. Hook in the front cover and close it (1).
  7. Secure the front cover with 2 screws at the top (2).
- ✓ The blower unit is mounted on the table.

## 6.5 Connect electrically

▶ Do not lay the cables over sharp edges or under tension!

### For Australia and New Zealand only:

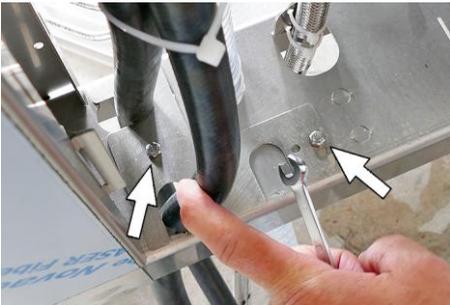
All work carried out must be in accordance with AS/NZS 3000!



- ▶ The blower unit is mounted on the table.
1. Lay the electrical supply of the blower unit to the rear and fasten it in clips.



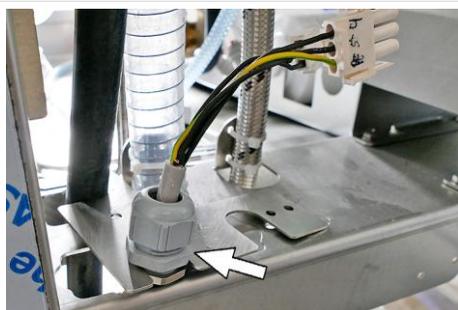
2. Fasten the cable to the machine using clamps.
- Note: The horizontal fixings are only required if the drying unit is installed at the front.



3. Remove the adapter plate in the dishwashing machine (arrows).



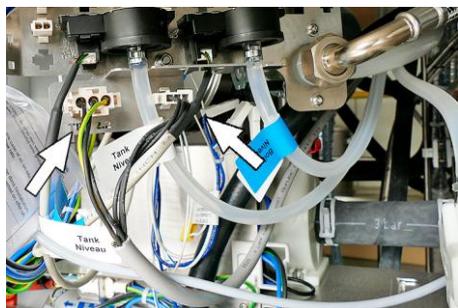
4. Feed the electrical supply of the QuickDry drying unit into the dishwashing machine from below.



5. Fasten the cable fitting of the electrical supply to the adapter plate (arrow).



6. Fasten the adapter plate with 2 screws.



7. Feed the electrical supply of the QuickDry drying unit in the dishwashing machine to the connection plate and connect it to the 2 free sockets there.  
✓ The QuickDry drying unit is electrically connected.

## 6.6 Connect the drain hose



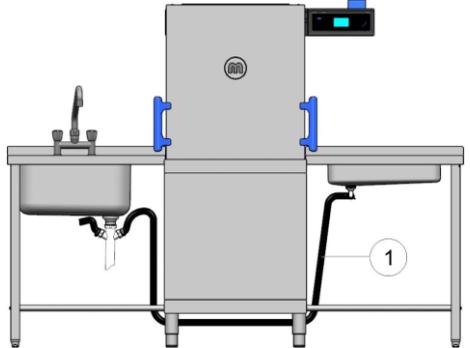
- The blower unit is mounted on the table.
1. Insert the connection piece with sealing ring into the drain.



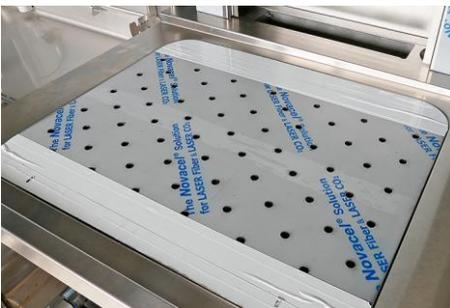
2. Push the seal over the connection piece and fasten the connection piece with the union nut.



3. Place the drain hose on the connection piece and secure with a collar clamp.



4. Connect the drain hose (1) to the drain fitting of the sink as shown.



5. Position the air baffle in the sink.

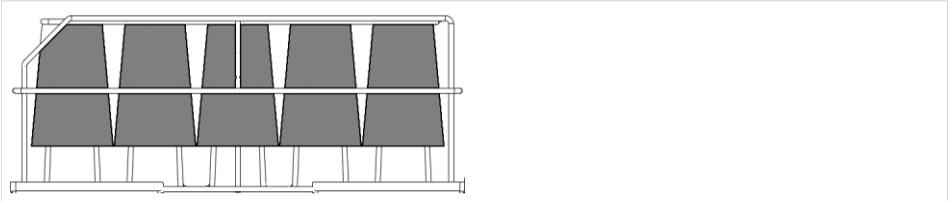
✓ The drain is connected.

## 7 Operation/use

### 7.1 Start up the machine

By switching on the dishwashing machine, the QuickDry drying unit is ready for operation.

### 7.2 Putting in washware



1. Hollow containers must be loaded upside down in the crockery rack.

✓ The washware is loaded.



#### Note

- Hollow containers must always be loaded upside down. Otherwise, the water will not be drained from the hollow containers and drying will not be possible.
- Keep a space between the hollow containers so that they do not rub against each other. This prevents scratches.
- For tall cups, choose a rack with a suitable division so that the cups will remain in a stable position..

## 7.3 Automatic operation

- ▶ The wash programme is completed. The blower of the QuickDry drying unit starts automatically. The button **[On]** lights up.
- 1. Place the crockery rack with the washed dishes in the centre under the blower of the QuickDry drying unit.
  - ↳ The blower is switched on for 3 minutes.
- 2. When the blower stops, remove the crockery rack. The **[On]** button goes off.
- ✓ The automatic drying process is completed.



### Note

If the **[On]** button is pressed during operation of the QuickDry drying unit, the drying time of 3 minutes starts again.



### Note

The drying unit can be stopped at any time using the **[Off]** button.

## 7.4 Manual operation

The QuickDry drying unit can be started manually at any time, separate from the dishwashing machine.

- ▶ The QuickDry drying unit is ready for operation.
- 1. Press the **[On]** button.
- ✓ The QuickDry drying unit has started. The blower is switched on for 3 minutes. The button **[On]** lights up.

## 7.5 Switch off the machine

Switching off the dishwasher also switches off the drying unit.

## 7.6 Assistance in case of malfunctions

### **WARNING – Danger to operator and damage due to improper repairs**

- Repairs to the product may only be carried out by MEIKO authorised service technicians.

The following malfunctions can be remedied by the operating personnel or the in-house technician.

Malfunction	Possible cause	Remedy
Drying unit blower is not working.	Power supply is not switched on.	Switch on the dishwasher to switch on the power supply.
Washware will not dry.	Too short drying time.	Start drying again.
	Washware is positioned incorrectly.	Position the washware so that the air can flow around.
Water in the trough of the drying table overflows.	The drain in the trough is blocked.	Clean the drain.

Malfunctions that are not described here require assistance from a MEIKO authorised service technician. Please contact your market organisation or authorised dealer.

## 8 Cleaning

### **CAUTION – Material damage to electrics due to water ingress**

- The machine, control cabinets and other electrical components must never be sprayed with a hose, a high pressure cleaner or a steam cleaner.
- Make sure that no water can enter the machine unintentionally.
- If installed at ground level, never flood the surrounding room.

**⚠ CAUTION – Material damage to stainless steel due to incorrect cleaning**

Cleaning of parts made of stainless steel with unsuitable detergents, care products and cleaning utensils leads to damage, deposits or discolourations on the machine.

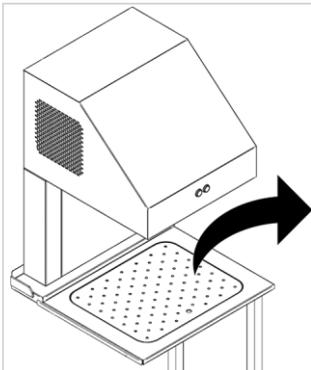
- Never use aggressive detergents or scouring agents.
- Never use detergents that contain hydrochlorid acid or bleaches based on chlorine.
- Do not use cleaning utensils previously used to clean non-stainless steel.

**⚠ CAUTION - Evaporation of aggressive detergents**

The use of aggressive detergents and care products near the machine can cause damage to the machine due to their fumes.

- Make sure that the detergents and care products cannot have direct contact with the machine.
- Do not use aggressive detergents (e.g. aggressive tile cleaner) to clean the surrounding area.
- Please observe the notes on the product packaging.
- In case of uncertainty, request information from the suppliers of these products.

The drying unit should be cleaned once a day.



- ▶ The drying unit is switched off.
  1. Remove the drip tray.
  2. Clean the trough
  3. Clean the casing of the drying unit and the table frame with a cloth and a detergent suitable for stainless steel.
- ✓ The drying unit has been cleaned.

# 9 Maintenance

**⚠ WARNING – Danger to life due to electric shock if housing parts are opened**

If the machine is operated without casing parts, electrified parts are freely accessible. Contact with these parts can lead to serious injury or death.

- Disconnect the machine from the power supply before opening the casing parts and wait at least 10 minutes until the DC-BUS capacitor of the motor control unit has discharged. To do this, turn the local mains switch to OFF and ensure that it cannot be switched back on again.
- Attach all casing parts before placing the machine back in operation.

**⚠ WARNING – Danger of injury due to entry into a danger zone.**

Unauthorised persons might be in or enter the danger zone during transport, assembly, commissioning, maintenance and repair work. This can lead to injuries.

- Only qualified persons should perform work at and with the machine.
- Remove unauthorised persons from the danger zone.
- Block off danger area and mark it for third parties.
- Never remove or disable safety devices on the machine.
- Always wear cut-resistant protective gloves when removing housing parts and when working inside the machine!

## 9.1 Maintenance plan

<b>Work when dishwashing machine is switched on</b>	<b>Every year</b>
Check that the QuickDry drying unit switches on automatically at the end of the dishwashing machine programme.	
Check the function and illumination of the <b>[On]</b> button.	
Check the function of the <b>[Off]</b> button.	
Clean the air channel of the blower casing.	

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**MEIKO Maschinenbau GmbH & Co. KG**

Englerstraße 3

77652 Offenburg

Germany

[www.meiko-global.com](http://www.meiko-global.com)

[info@meiko-global.com](mailto:info@meiko-global.com)